

Appendix Test Data

Report No.:	18220WC20166201	Test Sample No.:	1-2-2
Start Test Date:	2022.7.25	Finish Test Date:	2022.8.3
Test Engineer:	<i>Jony.He</i>	Auditor:	<i>Edward.Pan</i>
Temperature:	27.3℃	Relative Humidity:	46 %
Pressure:	1012 hPa		

Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	2402	0.776	2401.824	2402.600	≥0.5	PASS
		2441	0.812	2440.876	2441.688	≥0.5	PASS
		2480	0.616	2479.788	2480.404	≥0.5	PASS

Test Graphs

2.4G_Ant1_2402



2.4G_Ant1_2441



2.4G_Ant1_2480

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Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.

Tel: (86) 755-26066440 Fax: (86) 755-26014772 Email: service@anbotek.com



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Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	2402	2.2147	2400.616	2402.822	---	PASS
		2441	1.1684	2440.556	2441.722	---	PASS
		2480	0.9829	2479.439	2480.422	---	PASS

Test Graphs

2.4G_Ant1_2402



2.4G_Ant1_2441



2.4G_Ant1_2480

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Appendix C: Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
2.4G	Ant1	2402	-5.37	≤30	PASS
		2441	-5.09	≤30	PASS
		2480	-4.15	≤30	PASS

Test Graphs



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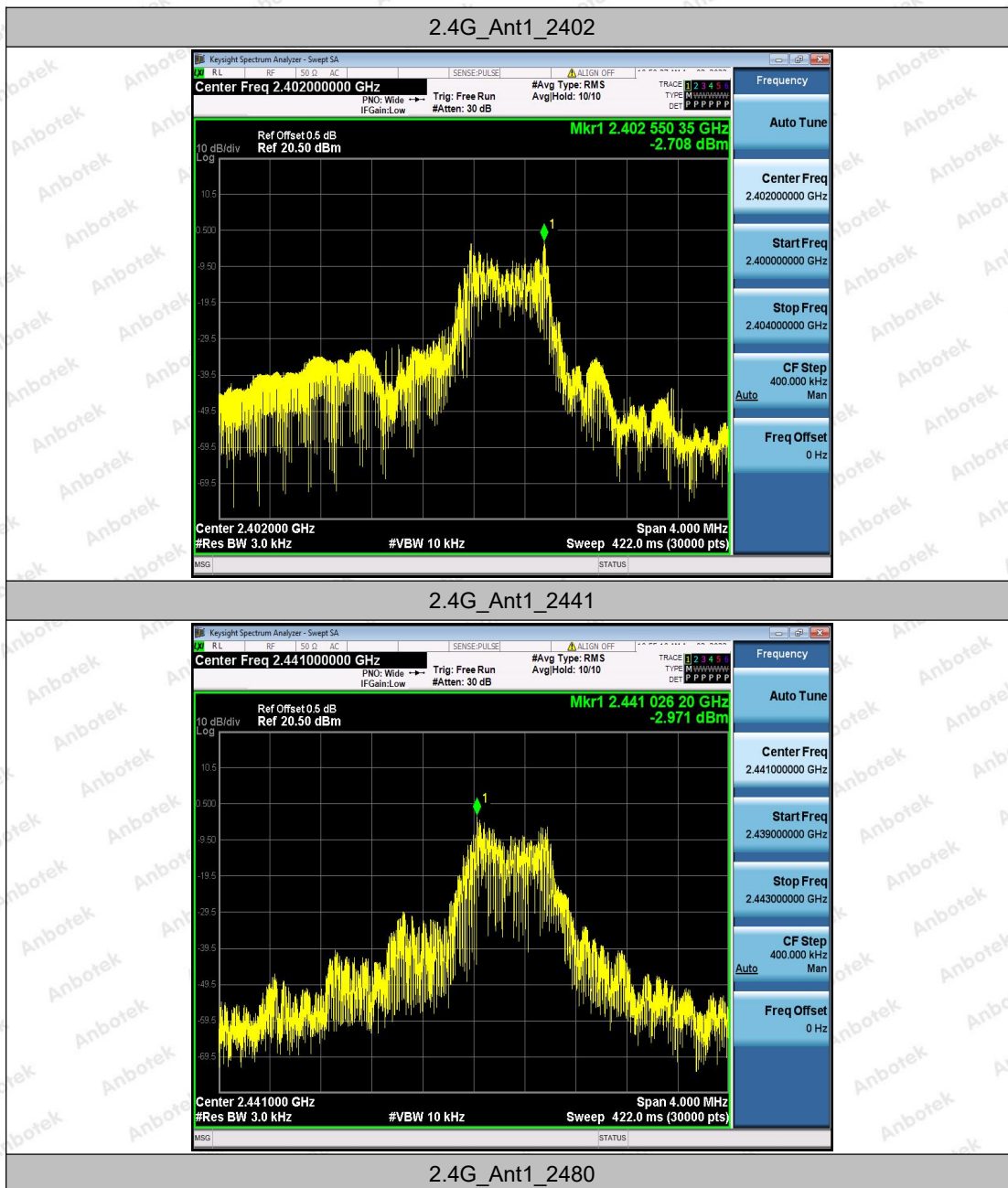
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
2.4G	Ant1	2402	-2.71	≤8	PASS
		2441	-2.97	≤8	PASS
		2480	-3.38	≤8	PASS

Test Graphs

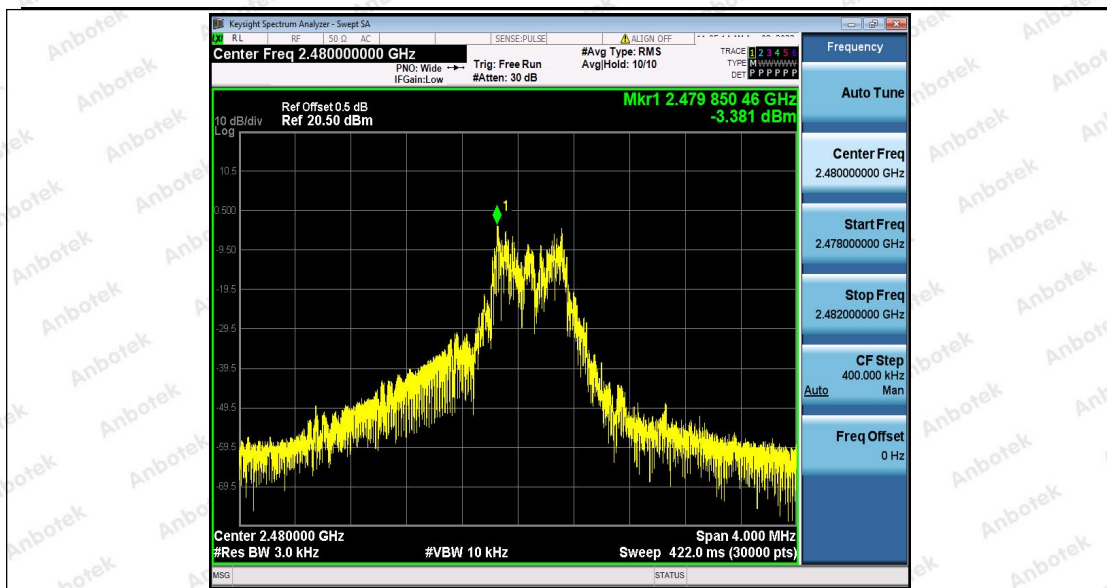


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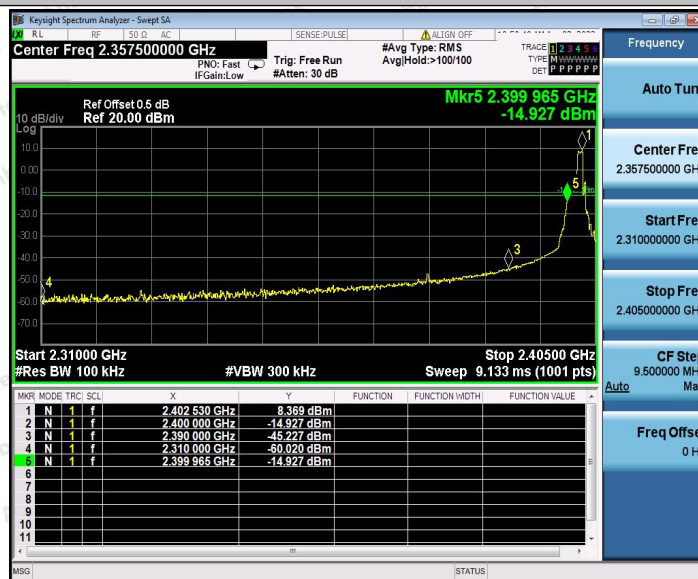
Appendix E: Band edge measurements

Test Result

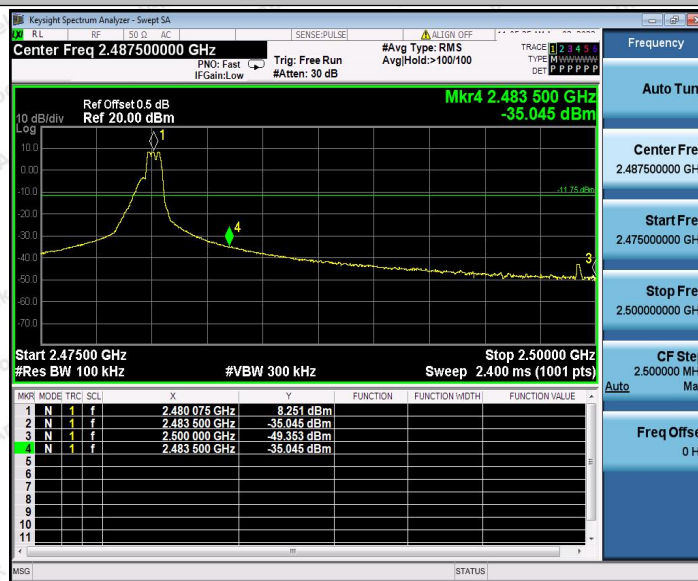
TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
2.4G	Ant1	Low	2402	8.37	-14.93	≤ -11.63	PASS
		High	2480	8.25	-35.05	≤ -11.75	PASS

Test Graphs

2.4G_Ant1_Low_2402



2.4G_Ant1_High_2480



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Appendix F: Conducted Spurious Emission

Test Result

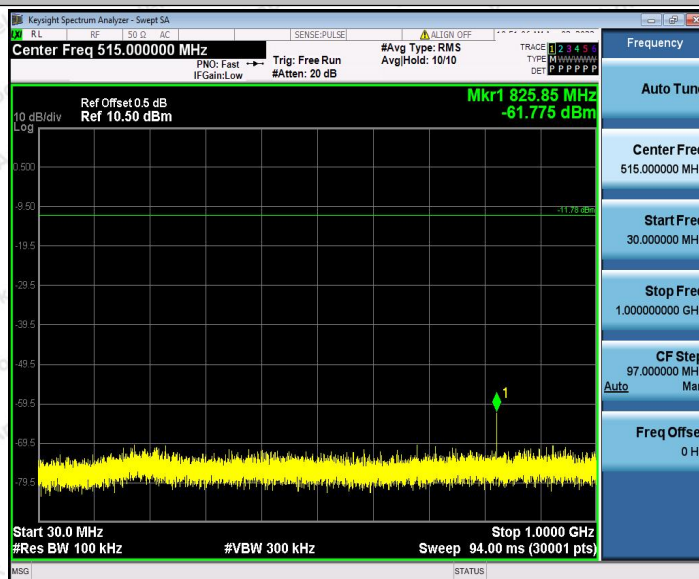
TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
2.4G	Ant1	2402	Reference	8.22	8.22	---	PASS
			30~1000	8.22	-61.78	≤-11.78	PASS
			1000~265 00	8.22	-37.41	≤-11.78	PASS
		2441	Reference	8.06	8.06	---	PASS
			30~1000	8.06	-61.69	≤-11.94	PASS
			1000~265 00	8.06	-36.39	≤-11.94	PASS
		2480	Reference	7.96	7.96	---	PASS
			30~1000	7.96	-61.49	≤-12.04	PASS
			1000~265 00	7.96	-38.3	≤-12.04	PASS

Test Graphs

2.4G_Ant1_2402_0~Reference



2.4G_Ant1_2402_30~1000



2.4G_Ant1_2402_1000~26500

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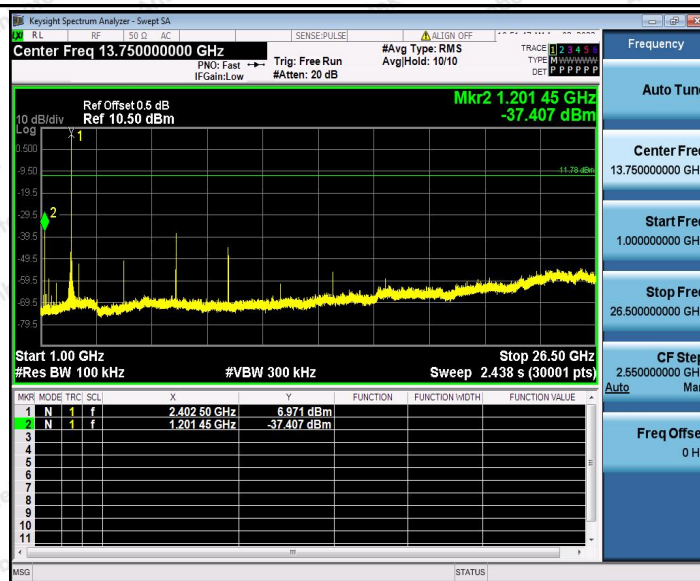
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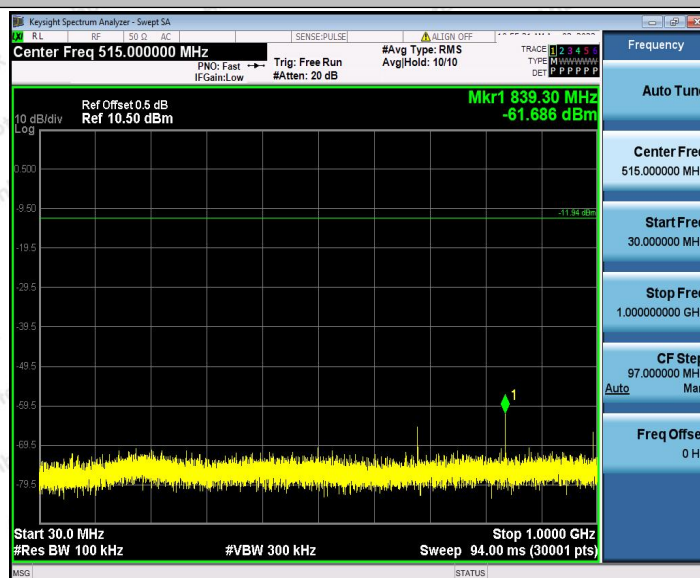
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2.4G_Ant1_2441_0~Reference



2.4G_Ant1_2441_30~1000



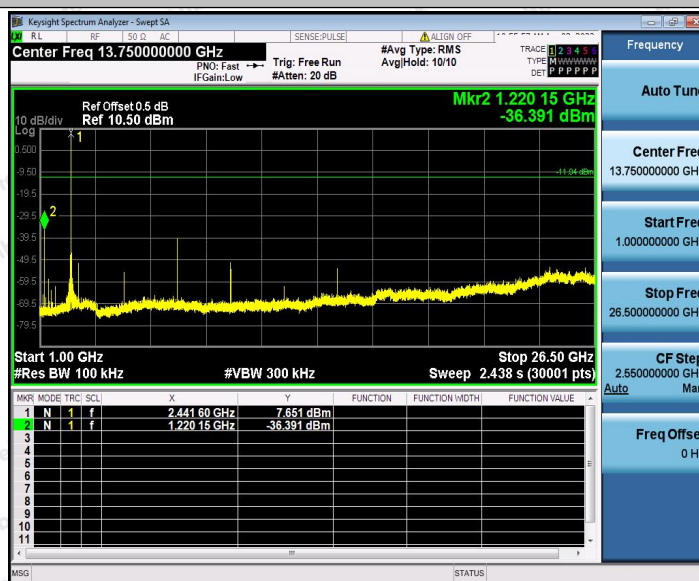
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2.4G_Ant1_2441_1000~26500



2.4G_Ant1_2480_0~Reference



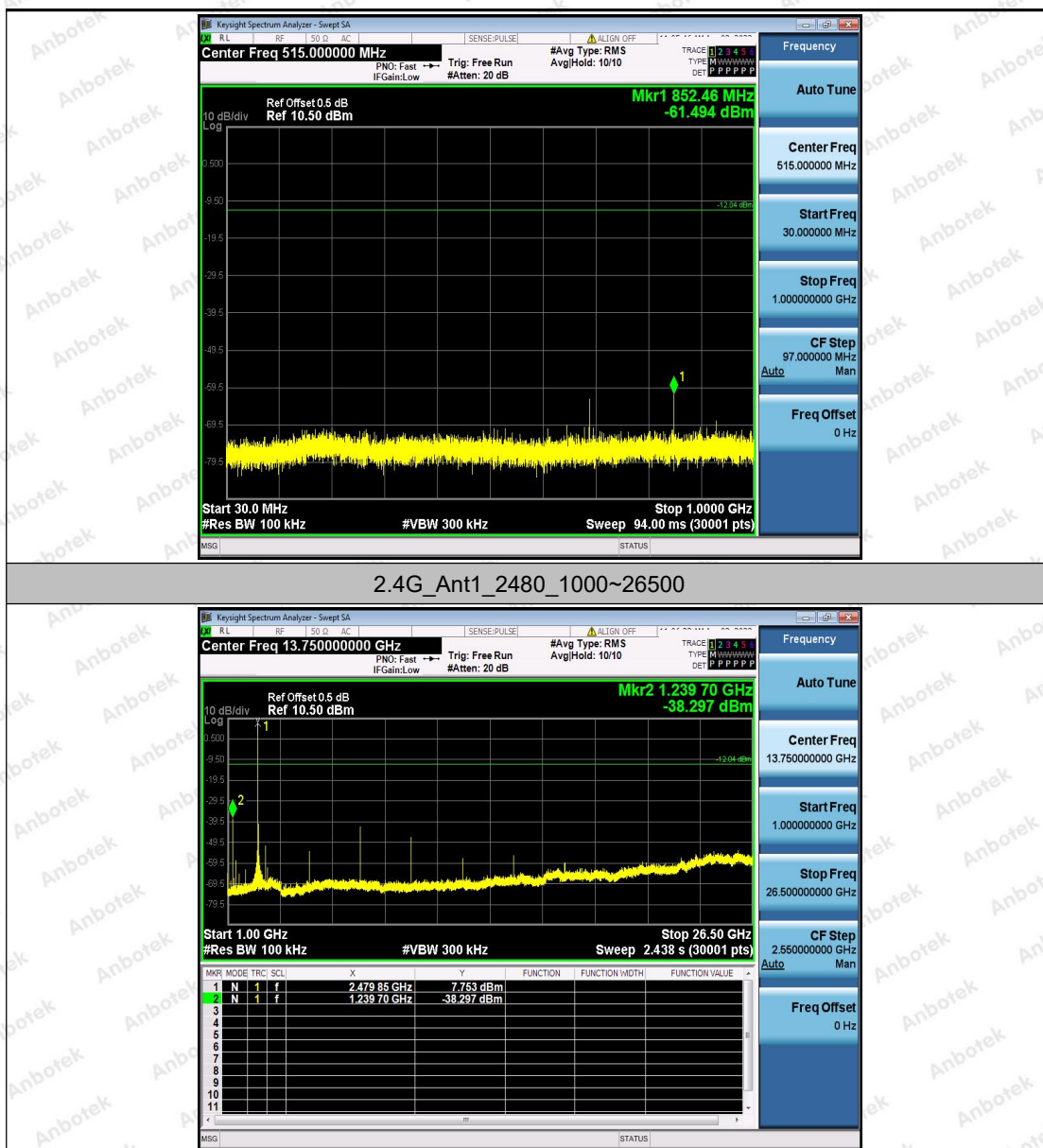
2.4G_Ant1_2480_30~1000

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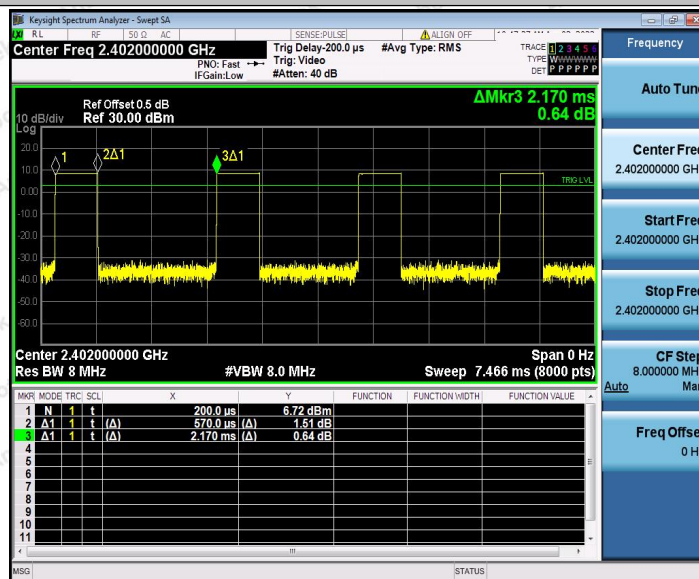
Appendix G: Duty Cycle

Test Result

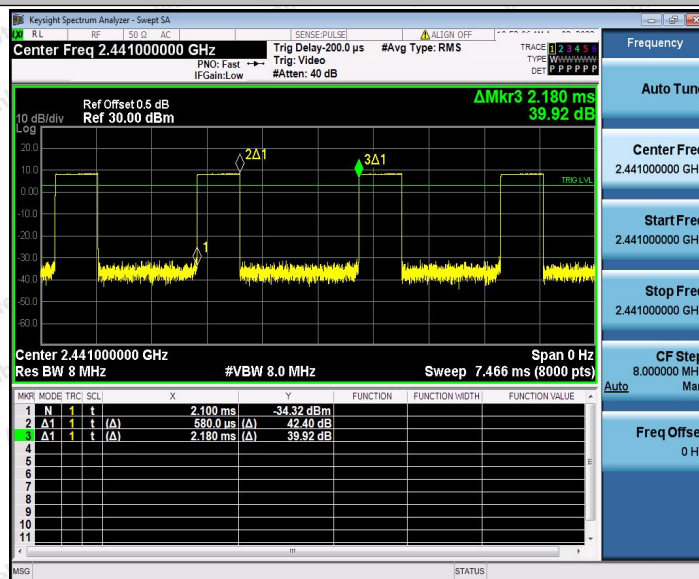
TestMode	Antenna	Channel	ON Time [ms]	Period [ms]	X	DC [%]	xFactor or	Limit	Verdict
2.4G	Ant1	2402	0.57	2.17	0.2627	26.27	5.81	---	PASS
		2441	0.58	2.18	0.2661	26.61	5.75	---	PASS
		2480	0.57	1.90	0.3000	30.00	5.23	---	PASS

Test Graphs

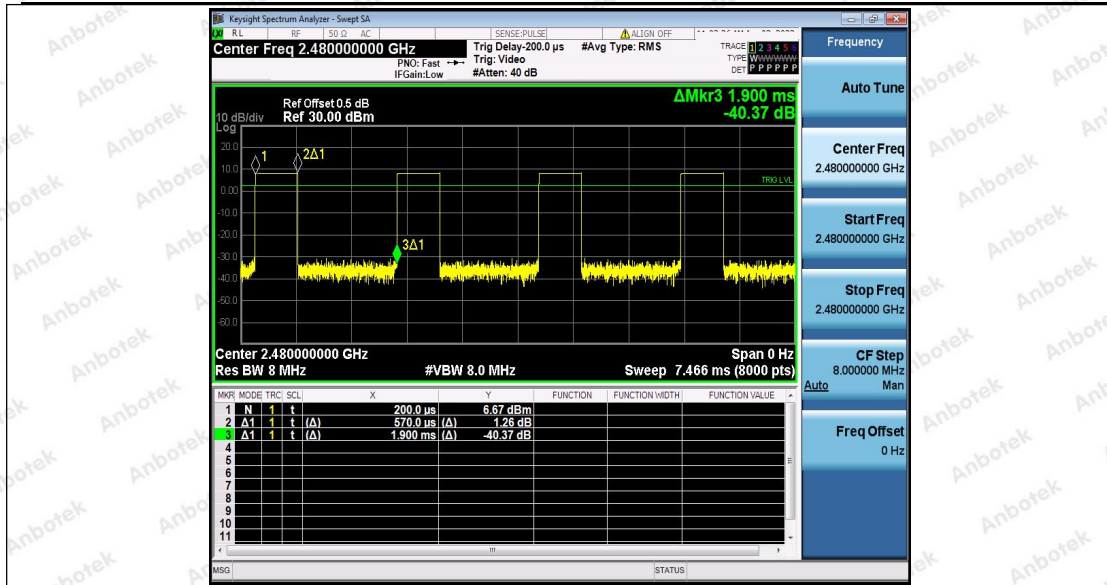
2.4G_Ant1_2402



2.4G_Ant1_2441



2.4G_Ant1_2480



---End---